

RECEIVED
CENTRAL FAX CENTER

JUL 03 2007

REMARKS

In the Office Communication mailed on June 7, 2007, the Examiner indicated that applicants' supplemental response to the prior Office Action filed on February 7, 2007 was not fully responsive in that claim amendments were not in accordance with 37 C.F.R. §1.173.

In response, applicants have included herewith a listing of all claims, including the claims present in the original patent. Applicants have also included herewith a Mark-Up Of Amended Claims which indicates the changes made to the claims in the new amended claim pages. Note that there were no changes made to the claims that were included with the response filed on December 7, 2006.

Applicants have also included a chart pursuant to 37 C.F.R. §1.173(c) listing the status and support for the all claims not found in the issued patent and amendments thereto.

Applicants believe that the pending claims define patentable subject matter and warrant an early allowance. If the Examiner believes that further discussions may be helpful, please contact the undersigned at the telephone number indicated below.

Respectfully submitted:

By: 

Edward J. Lynch
Reg. No. 24,422
Attorney for Applicants

DUANE MORRIS LLP
One Market
Spear Tower, Ste. 2000
San Francisco, CA 94105
Telephone: (415) 957-3000
Facsimile: (415) 957-3001
Direct Dial: (415) 957-3067

RECEIVED
CENTRAL FAX CENTER

JUL 03 2007

MARK-UP OF AMENDED CLAIMS

29. (Amended) An orthopedic attachment [member] assembly, comprising:
- a. an elongated securing member having an enlarged integral portion with a length, a posterior surface and a transverse dimension;
 - b. an attachment [component] member which has an anterior surface and a posterior surface and which has at least one bore extending through the attachment member from the anterior surface to the posterior surface and is configured to receive [a] the securing member [with an enlarged portion], the bore having [a first] an anterior bore [passageway] portion, [and] a [second] posterior bore [passageway] portion having at least one [smaller] transverse dimension smaller than the transverse [dimensions] dimension of the [first bore passageway] enlarged integral portion of the securing member to retain the enlarged integral portion of the securing member within the posterior bore portion; and
 - [b]c. a stopping member [surface] which reduces a transverse configuration of the [first] bore [passageway portion] to define at least in part the posterior bore portion and to retain the enlarged integral portion of [a] the securing [element] member within the posterior bore portion of the attachment member [between the stopping surface and the second bore passageway portion].
 - [c.] [a third bore passageway portion between the stopping surface and the second bore passageway portion having a surface configured

to conform at least in part to part of the enlarged portion of a
securing member received by the bore.)

30. (Amended) The attachment [member] assembly of claim 29 wherein the
stopping [surface] member has

a first configuration with inner transverse dimensions that are smaller than the
enlarged integral portion of [a] the securing member [received by the bore]
and

a second configuration with inner transverse dimensions that are [at least equal
to] greater than the enlarged integral portion of the securing member
[received by the bore].

31. (Amended) The attachment assembly of claim 29 [including a] wherein
the securing member having an enlarged integral [head] portion is slidably disposed
within the bore.

32. (Cancelled)

33. (Amended) The attachment [member] assembly of claim [32] 42 wherein
the posterior surface of the enlarged integral [head] portion of the securing member [has
a posterior surface] is configured at least in part to [engage] conform to the posterior
surface of the [first] posterior bore [passageway] portion to facilitate [the] angulation of
the securing [element] member within the [bore] posterior bore portion.

34. (Amended) The attachment [member] assembly of claim 33 wherein the
[first] posterior surface of the posterior bore [passageway] portion has a [bowl-shaped
surface] bowl shape.

35. (Amended) The attachment [member] assembly of claim 34 wherein the bowl-shaped posterior surface of the [first] posterior bore [passageway] portion at least in part is a hemispherical zone.

36. (Amended) The attachment [member] assembly of claim 29 wherein the stopping [surface] member is [part of] a biased stopping member.

37. (Amended) The attachment [member] assembly of claim 36 wherein the biased stopping member is a collar [defining] having at least in part a passageway enlargeable from [an unexpanded] a first inner [diameter] dimension to [an expanded] a second inner [diameter] dimension [larger than the first inner diameter], wherein [an] the enlarged integral [head] portion of [a] the securing [element] member has a maximum [diameter] dimension greater than the [unexpanded] first inner [diameter] dimension of the collar and less than the [expanded] second inner [diameter] dimension of the collar.

38. (Amended) The attachment [member] assembly of claim 37 wherein the bore has a groove [in the first bore passageway] which receives the collar.

39. (Amended) The attachment [member] assembly of claim 37 wherein the enlarged integral portion of the securing [element] member has a curved posterior surface which is configured to contact an anterior surface of the collar [anterior surface] and expand the collar as the enlarged integral portion of the securing member [head] is displaced posteriorly through the collar passageway.

40. (Amended) The attachment assembly of claim [36] 39 wherein the anterior surface of the collar [has an anterior surface which] tapers inwardly toward the [transverse] collar passageway [passing therethrough].

41. (Cancelled)

42. (Amended) The attachment [member] assembly of claim 31 wherein a portion of the securing [element] member posterior to the enlarged integral [head] portion has [smaller] transverse dimensions sufficiently smaller than the [second] transverse dimensions of the posterior bore [passageway] portion [in the attachment component] so the securing [element] member may be angularly displaced within the bore.

43. (Amended) The attachment [member] assembly of claim 29 wherein the attachment [component] member includes at least two bores.

44. (Amended) The attachment [member] assembly of claim 29 wherein the attachment [component] member is configured to conform to and extend between at least two bone segments.

45. (Amended) The attachment [member] assembly of claim 29 wherein the posterior surface of the attachment [component] member [has a] is at least in part a concave [curved] surface.

46. (Amended) The attachment [member] assembly of claim 29 wherein the attachment [component] member is selected from the group consisting of rods and plates.

47. (Amended) The attachment [member] assembly of claim 31 wherein the securing [element] member [disposed within the bore] is selected from the group consisting of screws and nails.

48. (Amended) The attachment [member] assembly of claim 37 wherein the collar is formed of an elastically deformable material.

49. (Amended) The attachment [member] assembly of claim 37 wherein the collar is formed of a material selected from the group consisting of titanium and superelastic material.

50. (Amended) The attachment [member] assembly of claim 37 wherein the collar has a posterior surface perpendicular to a longitudinal axis of the bore extending through the attachment [component] member.

51. (Amended) The [attachment member] assembly of claim 4 wherein the collar has a height less than the height of the groove.

52. (Amended) A method of attaching an orthopedic implant assembly to a bone of a patient, comprising

a) providing

an attachment member [comprising an attachment component] which has an anterior surface and a posterior surface and which has at least one bore extending through the attachment member from the anterior surface to the posterior surface and is configured to receive a securing member with an enlarged integral portion, the bore having [a first] an anterior bore [passageway] portion, and a [second] posterior bore [passageway] portion [having] with at least one [smaller] transverse dimension smaller than transverse dimensions of the [first] anterior bore [passageway] portion, and a stopping member [surface] which reduces a transverse configuration of the [first] bore [passageway] to retain the enlarged integral portion of [[a]] the securing [element] member within the posterior bore

portion of the attachment member [between the stopping surface and the second bore passageway];

- b) positioning the attachment member with at least part of the posterior surface thereof against a surface of the patient's bone;
- c) providing a securing [element] member having an elongated body, and an enlarged integral portion which is at or near one end of the elongated body [having] and which has a maximum [diameter] dimension greater than the smaller [diameter] transverse dimension [configuration] of the posterior bore portion [passageway defined by the stopping member and greater than the second bore passageway portion in the attachment component] to retain the enlarged integral portion of the securing [element] member within the [third] posterior bore [passageway] portion [between the stopping surface and the second bore passageway portion in the attachment component];
- d) attaching the securing [element] member to the patient's bone by advancing the securing [element] member within the bore of the attachment [component] member until the enlarged integral portion of the securing [element] member passes the stopping member and is disposed in the [third] posterior bore [passageway] portion.

53. (Amended) The method of claim 52 wherein [after] the [enlarged portion of the] securing [element is positioned in the third bore passageway portion between the stopping surface and the second bore passageway portion and the securing element] member is angularly displaceable within the posterior bore portion so that the securing

[element] member may be secured within the patient's bone at an angle relative to a longitudinal axis of the bore.

54. (Amended) An orthopedic implant assembly, comprising

a) an attachment member comprising

an attachment component which has at least one bore configured

to receive a securing [member] element with an enlarged

[portion] head, the bore having a first bore [passageway]

portion, and a second bore [passageway] portion having at

least one smaller transverse dimension than transverse

dimensions of the first bore [passageway] portion;

a stopping surface which reduces a transverse configuration of the

first bore [passageway] portion to retain the enlarged

[portion] head of [[a]] the securing element within the bore of

the attachment member between the stopping surface and

the second bore [passageway] portion, and

a third bore portion between the stopping surface and the second

bore [passageway] portion having a surface configured to

conform at least in part to part of the enlarged [portion] head

of [a] the securing [member] element received by the bore;

and

b) [a] the securing element having an elongated body and an enlarged

head at one end of the elongated body which has a reversibly

compressed configuration with transverse dimensions less than the

reduced transverse configuration of the first bore [passageway] portion formed by the stopping surface and which has an uncompressed configuration with a [diameter] transverse dimension greater than the reduced transverse configuration of the first bore [passageway] portion and the second [opening] bore portion, so that the head of the securing element is retained within the bore between the stopping [member] surface and the second bore [passageway] portion in the attachment component.

59. (Amended) A method of attaching an orthopedic implant assembly to a bone of a patient, comprising

a) providing an attachment member comprising

an attachment component which has at least one bore configured to receive a securing [member] element with an enlarged [portion] head, the bore having a first bore [passageway] portion, and a second bore [passageway] portion having at least one smaller transverse dimension than transverse dimensions of the first bore [passageway] portion,

a stopping surface which reduces a transverse configuration of the first bore [passageway] portion to retain the enlarged [portion] head of a securing element within the bore of the attachment member between the stopping surface and the second bore [passageway] portion;

- b) positioning the attachment member against a surface of the patient's bone;
- c) providing a securing element having an elongated body and an enlarged head [secured to] at one end of the body which has a reversibly compressed configuration with transverse dimensions less than the reduced transverse configuration of the first bore [passageway] portion formed by the stopping surface and which has an uncompressed configuration with a [diameter] transverse dimension greater than the reduced transverse configuration of the [first] second bore [passageway] portion [and the second opening], so that the head of the securing element is retained within [the bore between the stopping member and] the second bore [passageway] portion in the attachment component; and
- d) attaching the securing element to the patient's bone by advancing the securing element within the bore of the attachment component until the enlarged [portion] head of the securing element is in the [passageway defined by the stopping surface] second bore portion.

60. (Amended) [An intracorporeal] The attachment [member] assembly of claim 29, [comprising:] wherein

- a. the enlarged integral portion of the elongated securing member has a curved posterior surface; and
[an attachment component which has at least one bore configured to receive a securing member with an enlarged portion, the bore having a first bore passageway portion, and a second bore

passageway portion with smaller transverse dimensions than transverse dimensions of the first bore passageway portion;

[b.] a stopping surface which reduces a transverse configuration of the first bore passageway portion to retain the enlarged portion of a securing element within the bore of the attachment member between the stopping surface and the second bore passageway portion; and]

[c]b. [a third] the posterior bore [passageway] portion [between the stopping surface and the second bore passageway portion having] has a curved posterior surface configured to conform at least in part to part of [an] the curved posterior surface of the enlarged integral portion of [a] the securing member received by the bore.

61. (Cancelled)

62. (Cancelled)

63. (Amended) An orthopedic implant assembly, comprising:

a. a stabilizing element having an anterior surface, a posterior surface, and at least one bore[,] extending through the stabilizing element from the anterior surface to the posterior surface and the bore having an anterior bore portion[,] and a posterior bore portion which has a posterior opening with a transverse dimension smaller than [a] the transverse dimension of the anterior bore portion; [and]

b. a stopping member which is at least partially disposed within the bore of the stabilizing element[,] and which [defining] defines at least in part a reversibly expandable passageway having a first transverse configuration with a transverse

dimension that is smaller than [[a]] the transverse dimension of the anterior bore portion of the bore of the stabilizing element and a second transverse configuration with a transverse dimension larger than the transverse dimension of the first configuration; and

c. a securing element configured to be slidably disposed within the bore of the stabilizing element having an elongated body and [a head] an enlarged integral portion, the enlarged integral portion having [which has] a maximum transverse dimension greater than the transverse dimension of the first transverse configuration of the stopping member passageway and greater than a transverse dimension of the posterior opening in the posterior bore portion [of the bore] in the stabilizing element, so that the [head] enlarged integral portion of the securing element is retained between the stopping member and [the smaller transverse dimension in] the posterior opening in the posterior bore portion and the elongated body having a maximum transverse dimension less than the posterior opening in the posterior bore portion so that the securing element is angularly displaceable within the posterior bore portion of the bore.

64. (Amended) The [Intracorporeal medical device] assembly of claim 63 wherein the stopping [surface] member is configured to prevent the back-out of the [second component] securing element through the bore of the [first component] stabilizing element.

65. (Amended) The assembly of claim 63 wherein the stopping member is biased to the first transverse configuration.

66. (Amended) The assembly of claim 65 wherein the stopping member comprises a biased collar having a passageway therethrough.

67. (Amended) The assembly of claim 63 wherein the [head] enlarged

integral portion of the securing element has a curved posterior surface.

68. (Amended) The assembly of claim 66 wherein the bore has a groove in an anterior portion thereof configured to receive the biased collar, and wherein the biased collar is configured to be reversibly expandable when seated in the groove.

69. (Amended) The assembly of claim [67] 68 wherein the [head of the securing element has a] curved posterior surface of the enlarged integral portion of the securing element [and which] is configured to [contact the collar anterior surface and] expand the collar as the [head] enlarged integral portion of the securing element is displaced posteriorly through [a] the collar passageway [of the collar].

70. (Amended) The assembly of claim 69 wherein the [head of the securing element has a] curved posterior surface of the enlarged integral portion of the securing element [which] has a minimum transverse dimension smaller than [the] a transverse dimension of the passageway of the unexpanded collar, and which is configured to contact [the] an [collar] anterior surface of the collar and deflect the collar away from a longitudinal axis of the [transverse] collar passageway as the [head] enlarged integral portion of the securing element is displaced posteriorly through the collar passageway.

71. (Amended) The assembly of claim [66] 70 wherein the collar has an anterior surface which tapers toward the collar passageway.

72. (Amended) The assembly of claim 71 wherein [a] the posterior bore portion [is] has a curved posterior surface that is [and] configured to receive at least in part the curved posterior surface of the [head] the enlarged integral portion of the securing element.

73. (Amended) The assembly of claim 63 wherein the [head] enlarged

integral portion of the securing element is configured to be longitudinally displaceable [between a posterior surface of the stopping member and] within the posterior bore portion of the bore of the stabilizing element.

74. (Amended) The assembly of claim 10 wherein the body of the securing element has a transverse dimension smaller than the [transverse dimension of the posterior portion of the bore] second opening of the stabilizing element, and wherein the securing element may be angularly displaced within [the] a posterior portion of the bore of the stabilizing element.

77. (Amended) The assembly of claim 13 wherein the stabilizing element has a [curved] concave posterior surface.

78. (Amended) The assembly of claim [1] 10 wherein the stabilizing element is selected from the group consisting of rods and plates.

79. (Amended) The assembly of claim [1] 10 wherein the securing element is selected from the group consisting of screws and nails.

80. (Cancelled)

81. (Cancelled)

82. (Cancelled)

83. (Cancelled)

84. (Amended) An orthopedic implant assembly, comprising:

- a. a stabilizing element having an anterior surface, a posterior surface, and at least one bore, the bore having an anterior bore portion, a posterior bore portion with a transverse dimension smaller than a transverse dimension of the anterior portion, [and]

- b.** a stopping member at the anterior portion of the bore; and
- [b]c.** a securing element having an elongated body and a head secured to the body which is reversibly compressible with a compressed transverse dimension less than the transverse dimension of the anterior portion of the bore and with an uncompressed transverse dimension greater than an inner transverse dimension of the stopping member and the posterior portion of the bore, so that the head of the securing element is retained between the stopping member and the smaller transverse dimension of the posterior portion of the bore of the stabilizing element.

87. (Cancelled)

89. (Amended) [In an]An orthopedic implant assembly which has a stabilizing element having an anterior surface, a posterior surface, and at least one bore extending through the stabilizing element from the anterior surface to the posterior surface with an anterior bore portion, a posterior bore portion having a posterior opening with a transverse dimension smaller than a transverse dimension of the anterior bore portion and which has a securing element having an elongated body and an enlarged integral [head] portion with a maximum transverse dimension greater than a transverse dimension of the posterior opening of the posterior bore portion [of the bore] in the stabilizing element, [the improvement comprising] characterized by:

a resilient radially deflectable [stopping] member which is configured to engage a surface of the assembly and to retain the enlarged integral portion of the securing element within the posterior bore portion and prevent the back-out of the securing element through the bore of the

stabilizing element [and which is slidably disposed within a groove provided within the assembly].

90. (Amended) The assembly of claim 89 wherein the [stopping] radially deflectable member comprises a biased collar.

93. (Amended) The assembly of claim 91 wherein the biased collar extends at least partially within the bore of the stabilizing element so that the [head] enlarged integral portion of the securing element is retained [between anterior and] within the posterior [portions] bore portion [of the bore].

94. (Amended) [In an] An orthopedic implant assembly which has a stabilizing element having an anterior surface, a posterior surface, and at least one bore extending through the stabilizing element from the anterior surface to the posterior surface with an anterior bore portion, a posterior bore portion having a posterior opening with a transverse dimension smaller than a transverse dimension of the anterior bore portion and which has a securing element having an elongated body and an enlarged integral head with a maximum transverse dimension greater than a transverse dimension of the posterior opening of the posterior bore portion [of the bore] in the stabilizing element, [the improvement comprising] characterized by:

a resilient longitudinally deflectable [stopping] member which is configured to engage a surface of the assembly to retain the enlarged integral head of securing element within the posterior bore portion and prevent the back-out of the securing element through the bore of the stabilizing element.

95. (Amended) The orthopedic implant assembly of claim 94 wherein the resilient longitudinally deflectable member is configured to deflect longitudinally when

the [stopping member] securing element [passes by the engaged surface when advancing] is advanced posteriorly through the bore of the stabilizing element.

96. (Amended) An orthopedic implant assembly, comprising:
- a. a stabilizing element having an anterior surface, a posterior surface, and at least one bore extending through the stabilizing element from the anterior surface to the posterior surface with an anterior bore portion which has a transverse dimension, a posterior bore portion which has a posterior opening with a transverse dimension smaller than the transverse dimension of the anterior bore portion; and
 - b. a biased stopping member which has a first configuration that extends within the at least one bore of the stabilizing element and reduces at least one transverse [cross-sectional] dimension of the bore [passageway] and which is elastically deformable to a second configuration [which] that increases the at least one transverse [cross-sectional] dimension reduced by the biased stopping member in the first configuration; and
 - c. a securing element having an elongated body and an enlarged integral [head] portion which has a maximum transverse dimension greater than the transverse dimension of the bore passageway reduced by the first configuration of the biased stopping member and greater than a transverse dimension of the posterior opening of the posterior bore portion in the stabilizing element, so that the [head] enlarged integral portion of the securing element is retained [between the biased stopping member and] within the posterior bore portion [of the bore].

97. (Amended) The orthopedic implant assembly of claim 96 wherein the elastically deformed second configuration of the stopping member facilitates passage of the enlarged integral [head] portion of the securing element by the stopping member.

100. (Amended) The assembly of claim 99 wherein the biased [stopping member] collar is disposed in part within a recess of the stabilizing element.

102. (Amended) [An orthopedic] The attachment [member] assembly of claim 29, [comprising:] wherein

- [a. an attachment component which has at least one bore configured to receive a securing component with an enlarged integral portion, the bore] having a first bore passageway portion, and a second bore passageway portion having at least one smaller transverse dimension than transverse dimensions of the first bore passageway portion;]
- [b.] the stopping member is a biased stopping member [surface] which reduces a transverse configuration of the [first] anterior bore [passageway] portion to retain the enlarged integral portion of [a] the securing component within the bore of the attachment [component between the stopping surface and] member within the [second] posterior bore [passageway] portion[; and]
- [c. a third bore passageway portion between the biased stopping member and] the second bore passageway portion having a surface configured to conform at least in part to part of the enlarged portion of a securing component received by the bore].

103. (Amended) The [orthopedic] attachment [member] assembly of claim 102 wherein the biased stopping member is elastically deformable from [the] a first configuration to a second configuration which increases the [at least one] transverse [cross-sectional] dimension reduced by the biased stopping member in the first configuration.

104. (Amended) The [orthopedic] attachment [member] assembly of claim 103 wherein the biased stopping member is elastically deformed by the passage of [an] the enlarged integral portion of the securing [component] member.

105. (Amended) The [orthopedic] attachment [member] assembly of claim 104 wherein the biased stopping member resiliently returns to the first configuration after passage of the enlarged integral portion of the securing [component] member.

106. (Amended) The [orthopedic] attachment assembly of claim 31 wherein [the] a posterior surface of the posterior bore [passageway] portion is configured to conform at least in part to the posterior surface of the enlarged integral portion of [a] the securing member so as to facilitate angular displacement within the posterior bore [passageway] portion.

**Status And Support For All Claims Not Found In Issued Patent
And Amendments Thereto Pursuant To 37 CFR §1.173(c)**

Claims	Status	Support (Ref. to Issued Patent)
Claim 29	Amended	Figs. 1-6; Col. 4, line 13-col. 6, line 16; Figs 13-15
Claim 30	Amended	Figs. 3-5; Col. 4, line 64-col 5, line 30
Claim 31	Amended	Fig. 5, Col 4; line 64-col. 5, line 20
Claim 32	Cancelled	Cancelled
Claim 33	Amended	Fig. 5; Col.5, lines 59-67
Claim 34	Amended	Figs. 1-6
Claim 35	Amended	Figs. 1-6
Claim 36	Amended	Fig. 3; Col. 1, lines 42-55
Claim 37	Amended	Fig. 4; Col.1, lines 45-47; Col. 5, lines 2-15
Claim 38	Amended	Figs. 3-5; Col.4, lines 31-33
Claim 39	Amended	Figs. 2-5
Claim 40	Amended	Fig. 13
Claim 41	Cancelled	Cancelled
Claim 42	Amended	Figs. 5-6; Col. 5, lines 46-67
Claim 43	Amended	Fig. 1
Claim 44	Amended	Fig. 1; Col. 7, lines 52-57
Claim 45	Amended	Col. 7, lines 47-57
Claim 46	Amended	Col. 7, lines 49-52
Claim 47	Amended	Col. 2, lines 6-8
Claim 48	Amended	Col. 6, lines 1-3
Claim 49	Amended	Col. 6, lines 1-3
Claim 50	Amended	Figs. 2-6
Claim 51	Amended	Figs. 3-5
Claim 52	Amended	Col. 2, lines 19-46
Claim 53	Amended	Col. 2, lines 61-67
Claim 54	Amended	Figs. 7-12; Col. 6, lines 17-54
Claim 55	Previously presented	Figs 8 and 10. Col. 6, lines 31-50
Claim 56	Previously presented	Figs. 7-12
Claim 57	Previously presented	Figs. 7, 8 and 10
Claim 58	Previously presented	Figs. 8, 10 and 12

1 of 3

Serial No. 10/820,154
Atty. Docket No. R0372-00101

DM2955809.1

Claims	Status	Support (Ref. to Issued Patent)
Claim 59	Amended	Figs. 7-12; Col. 2, lines 46-60
Claim 60	Amended	Figs. 2, 3, 4, 5 and 6; Col. 5, lines 30-42
Claim 61	Cancelled	Cancelled
Claim 62	Cancelled	Cancelled
Claim 63	Amended	Figs. 1-6; Col. 4, line 13-col. 6, line16; Figs13-15; Col. 5, lines 51-59
Claim 64	Amended	Col. 5, lines 21-30
Claim 65	Amended	Col. 5, lines 15-20
Claim 66	Amended	Col. 5, lines 2-8
Claim 67	Amended	Col. 5, lines 30-33
Claim 68	Amended	Figs. 3, 4 and 5; Col. 4, lines 31-33
Claim 69	Amended	Fig. 4; Col. 5, lines 2-8
Claim 70	Amended	Fig. 4; Col. 5, lines 2-8
Claim 71	Amended	Figs. 13-14; Col. 6, lines 55-67
Claim 72	Amended	Fig. 14
Claim 73	Amended	Fig. 14
Claim 74	Amended	Fig. 6; Col 5, lines 46-67
Claim 75	Previously presented	Fig. 1; Col 7, lines 62-67
Claim 76	Previously presented	Fig. 1, Col 7, lines 52-57
Claim 77	Amended	Col. 7, lines 52-57
Claim 78	Amended	Col. 7, lines 49-52
Claim 79	Amended	Col. 2, lines 6-8
Claim 80	Cancelled	Cancelled
Claim 81	Cancelled	Cancelled
Claim 82	Cancelled	Cancelled
Claim 83	Cancelled	Cancelled
Claim 84	Amended	Figs13-15; Col. 5, lines 51-59
Claim 85	Previously presented	Figs13-15; Col. 5, lines 51-59
Claim 86	Previously presented	Figs13-15; Col. 5, lines 51-59
Claim 87	Cancelled	Cancelled
Claim 88	Previously presented	Figs. 8, 10 and 12
Claim 89	Amended	Figs. 1-6; Col. 4, line 13-col. 6, line16; Figs 7-12; Col. 6, lines 16-54; Col. 7, lines 62-67
Claim 90	Amended	Fig. 3; Col. 1, lines 42-55
Claim 91	Previously presented	Fig. 3; Col. 1, lines 42-55

2 of 3

Serial No. 10/620,154
Atty. Docket No. R0372-00101

DM21955809.1

Claims	Status	Support (Ref. to Issued Patent)
Claim 92	Previously presented	Figs. 3-5; Col.4, lines 31-33
Claim 93	Amended	Col.2, lines 61-67
Claim 94	Amended	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67
Claim 95	Amended	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67
Claim 96	Amended	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67
Claim 97	Amended	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67
Claim 98	Previously presented	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67
Claim 99	Previously presented	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67, Figs. 2-6, lines Col. 4, line 13-col. 6, line 16
Claim 100	Previously presented	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67; Figs. 2-6, lines Col. 4, line 13-col. 6, line 16
Claim 101	Previously presented	Figs. 7-12; Col 2, lines 46-60; Col. 7, lines 62-67; Figs. 2-6, lines Col. 4, line 13-col. 6, line 16
Claim 102	Amended	Figs. 5 and 6; Col. 2, lines 34-38
Claim 103	Amended	Fig. 2; Col. 4, lines 14-44
Claim 104	Amended	Col. 4, lines 31-33; Col. 6, lines 1-3
Claim 105	Amended	Figs. 4-5; Col. 5, lines 15-20
Claim 106	Amended	Figs. 5-6, lines 51-67
Claim 107	New	Figs. 7-12; Col. 6, lines 17-54
Claim 108	New	Figs. 2-12; Col 6, lines 17-54; Col. 7, lines 62-67
Claim 109	New	Col. 6, lines 1-2; Col. 7, lines 62-67
Claim 110	New	Col. 1, lines 42-67; Col. 7, lines 62-67
Claim 111	New	Figs. 7-12; Col. 6, lines 17-54
Claim 112	New	Figs. 7-12; Col. 6, lines 17-54
Claim 113	New	Figs. 7-12; Col. 6, lines 17-54
Claim 114	New	Fig. 5; Col. 5, lines 46-51